

Rings, Ripples, and Echoes UBD (Understanding By Design) Framework: 3rd-4th

		Desired Results	
Goals of Program		Transfer	
Students will ... <ul style="list-style-type: none">• Enrich their understanding of place through inquiry.• Experience National Parks as places for learning and recreation and develop a personal connection with their local National Park.• Learn about the historical, cultural, and environmental forces that shape and influence Muir Woods.	<ul style="list-style-type: none">• Recognize that there is a relationship between people, their culture, and the land.• Engage in scientific inquiry and plant identification.		
	Meaning		
	Enduring Understandings Students will understand that: <ul style="list-style-type: none">1. The interaction of people and land is a key element of culture.2. An ecosystem has interdependent relationships.3. Individuals and communities can help protect and preserve natural environments.		<div>Essential Question How are our cultures influenced by where we live?</div>
Acquisition		Evidence	
Students will know... <ul style="list-style-type: none">• The interdependent relationships in an ecosystem.• How Native American values shape their relationship with Muir Woods.		Students will be able to ... <ul style="list-style-type: none">• Identify the Native American uses of plants found in Muir Woods.• Explain how plants and animals depend on each other to survive.	
NGSS and CC Standards on page 2 (back of hard copy)			

Rings, Ripples, and Echoes UBD (Understanding By Design) Framework– Page 2

CA Next Generation Science Standards

5-LS1-1. Support an argument that plants get the materials they need for growth chiefly from air and water.

5-LS2-1. Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment.

<http://www.cde.ca.gov/pd/ca/sc/ngssstandards.asp>

CA History-Social Science Content Standards

5.1.1. Describe how geography and climate influenced the way various nations lived and adjusted to the natural environment, including locations of villages, the distinct structures that they built, and how they obtained food, clothing, tools, and utensils.

5.1.2. Describe their varied customs and folklore traditions.

<http://www.cde.ca.gov/be/st/ss/documents/histsocscistnd.pdf>

CA Common Core Standards

Writing

W.3.5. Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.

Speaking and Listening

1.5. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led).

www.cde.ca.gov/be/st/ss/documents/finaelaccsstandards.pdf

National Park Service Curriculum Resources

- Rings, Ripples, and Echoes web curriculum portal : <http://www.nps.gov/goga/forteachers/elementary-04.htm>
- Save the Redwoods League: <https://www.savetheredwoods.org/>